



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090314

**Mode:** Highway

**Status:** Submitted

### NC-194

**From/Cross Street:** US 421 (King Street)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** SR 1306 (Howards Creek Rd)

**Project Category:** Regional Impact

**Length:** 1.62

**TIP#:** -

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$17,114,000

#### Description:

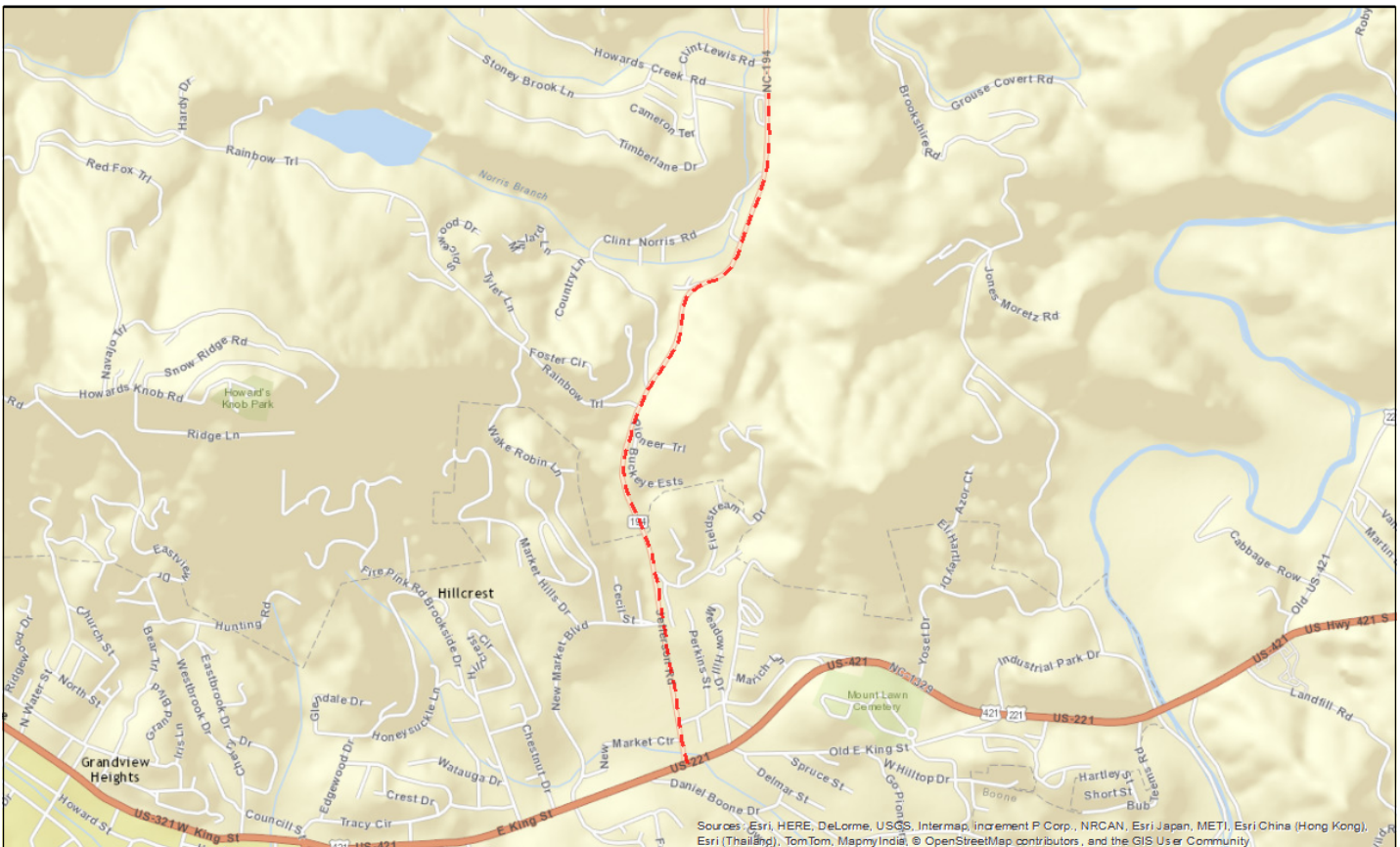
Widen to 4 Lanes Curb and Gutter.

**Division(s):** Division 11

**County(s):** WATAUGA

**MPOS(s)/RPO(s):** High Country RPO

#### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 45.36**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 38.37	Percent: 15%	Percent: 15%
Safety (10%) 54.63	Points: 100	Points: 100
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 3.01		
<b>Totals: Weight: 70% Weighted Score: 15.36</b>		

**Division Needs Total Score: 38.14**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.00	Percent: 25%	Percent: 25%
Congestion (V/C) (20%) 38.37	Points: 0	Points: 100
Safety (10%) 54.63		
<b>Totals: Weight: 50% Weighted Score: 13.14</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	51
Length (miles):	1.62
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9036.48
Capacity:	15601.45
Volume/Capacity Ratio:	0.58
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	67.8
Crash Severity:	57.68
Critical Crash Rate:	38.41
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	13
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	67
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.62
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	-1892217.39
Travel Time Savings for 30 Years (Autos):	-1892217.39
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 11	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
High Country RPO	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$12,654,000	TIP Unit
Right-of-Way Cost:	\$3,982,000	Cost Estimation Tool
Utilities Cost:	\$478,000	Cost Estimation Tool
Total Project Cost:	\$17,114,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$17,114,000</b>	